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PERFORMER 36 RGB

Order code: LEDJ251

USER MANUAL

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

CAUTION!

Keep this equipment away from rain, moisture and liquids.

SAFETY INSTRUCTIONS

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual

CAUTION! TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power-cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not connect this equipment to a dimmer-pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 220v/240v.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY; One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks, lamp failure etc.

Do not endanger your own safety and the safety of others!
Incorrect installation or use can cause serious damage to people and property.

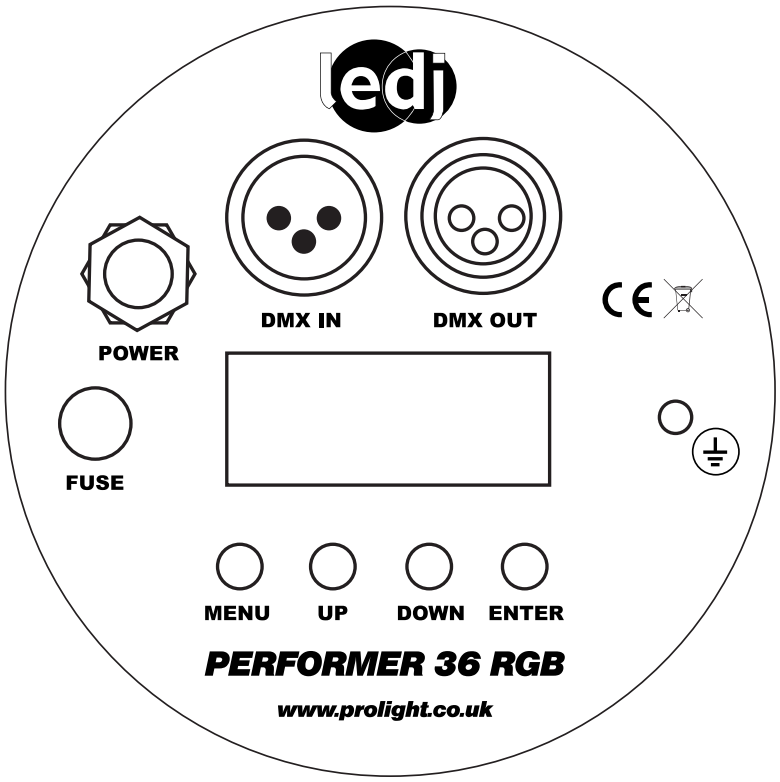
You should find inside the LEDJ carton the following items**:**

1, Performer 36 RGB unit 2, Instruction manual

Technical Specifications:

DMX Channels: 7
36 x 3W LEDs (R: 12, :G: 12, B: 12)
Static colour, change, fade, auto, sound active, master/slave and DMX modes
3-Pin XLR in/out sockets
4 push button menu with LED display
Twin hanging / floor bracket
Power Consumption: 118W
Power supply: 100-240V ~ 50/60Hz
Dimensions: 255 x 297 x 325mm
Weight: 2.6Kgs

Overview:



Setup

Operating Instructions

The Performer 36 RGB is a DMX-512 controllable, full RGB colour mixing Par Can made up of high efficiency 3W LED's. There are three colour groups (red, blue and green) whose intensity can be controlled individually allowing the creation of an unlimited range of colours.

Performer 36 RGB will operate in Stand-alone, Master/Slave, Sound activated and DMX-512 control modes.

DMX mode:
To select DMX mode, press the **"MENU"** button to show **"D001"** on the display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to set the DMX address from 001-512. When you have finished setting the desired DMX address press the **"ENTER"** button.

Colour change mode
To select the colour change mode, press the **"MENU"** button to show **"CC00"** on the display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to adjust the speed of the colour change. To confirm your choice, press the **"ENTER"** button.

Colour fade mode
To select the colour fade mode, press the **"MENU"** button to show **"CP00"** on the display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to adjust the speed of the colour fade. To confirm your choice, press the **"ENTER"** button.

Please note that in this mode the unit will run through both static colour fade and colour fade in/out modes. To access the modes individually, please set the unit into DMX mode and see the DMX chart overleaf.

Auto built-in programmes mode
To select the Auto Built-in programme mode, press the **"MENU"** button to show **"dE00"** on the display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to adjust the speed. To confirm your choice, press the **"ENTER"** button.

Please note that in this mode the unit will run through all of the colour change and colour fade modes. To access the modes individually, please set the unit into DMX mode and see the DMX chart overleaf.

Sound active mode
To select the Sound active mode, press the **"MENU"** button to show **"bEbE"** on the display. Now press the **"ENTER"** and the unit will respond to the beat of the music.

Static colour mode

Red
To adjust the brightness of the red LEDs, press the **"MENU"** button to show **"R255"** on the display. Now press use the **"UP"** and **"DOWN"** buttons to adjust the brightness from 000-255. To confirm your choice, press the **"ENTER"** button. **Note: 000 = off, 255 = full on.**
Green
To adjust the brightness of the green LEDs, press the **"MENU"** button to show **"G255"** on the display. Now press use the **"UP"** and **"DOWN"** buttons to adjust the brightness from 000-255. To confirm your choice, press the **"ENTER"** button. **Note: 000 = off, 255 = full on.**
Blue
To adjust the brightness of the blue LEDs, press the **"MENU"** button to show **"B255"** on the display. Now press use the **"UP"** and **"DOWN"** buttons to adjust the brightness from 000-255. To confirm your choice, press the **"ENTER"** button. **Note: 000 = off, 255 = full on.**

Master/slave mode
To set the unit as a master, simply select any of the above modes and set the slave units into DMX mode, address 001. The slave units will now follow in sequence with the master unit.

DMX chart:

7CH

CHANNEL	VALUE	FUNCTION
1	000-255	Master dimmer
2	000-255	Strobe (slow to fast)
3	000-049	Manual DMX
	050-99	Colour change
	100-150	Colour fade
	150-199	Colour fade in/out
	200-255	Sound active
4	000-255	Chase/fade Speed
5	000-255	Red
6	000-255	Green
7	000-255	Blue

DMX-512:
• DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX Linking:
• DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in the DMX line. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA Cable (DMX cable) requirements (for DMX operation):

• The Performer 36 RGB can be controlled via DMX-512 protocol. The DMX address can be set on the back of the fixture. Your fixture and your DMX controller require a standard 3-pin XLR connector for data input/output (figure 1).

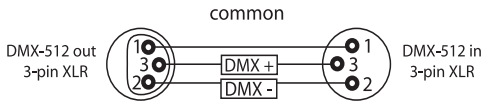
Figure 1

Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight dealers.
Please quote:
CABL10 – 2M
CABL11 – 5M
CABL12 – 10M

Also remember that DMX cable must be daisy chained and cannot be split.

Notice:

• Be sure to follow figures 2 & 3 when making your own cables. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behaviour.



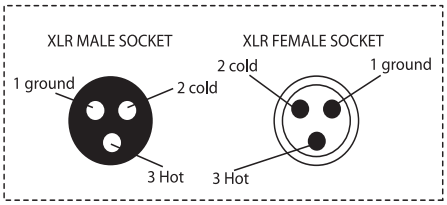


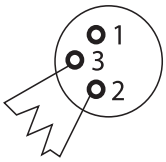
FIGURE 3

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Postive

FIGURE 2

Special Note: Line termination:

• When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

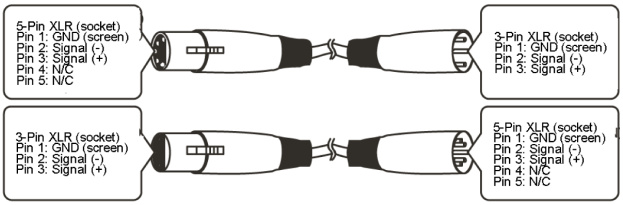


Termination reduces signal transmission problems and interferance. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

Using a cable terminator (part number CABL90) will decrease the possibilities of erratic behaviour.

5-Pin XLR DMX Connectors:

• Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-Pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The Chart below details the correct cable conversion.



Create the right effect

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